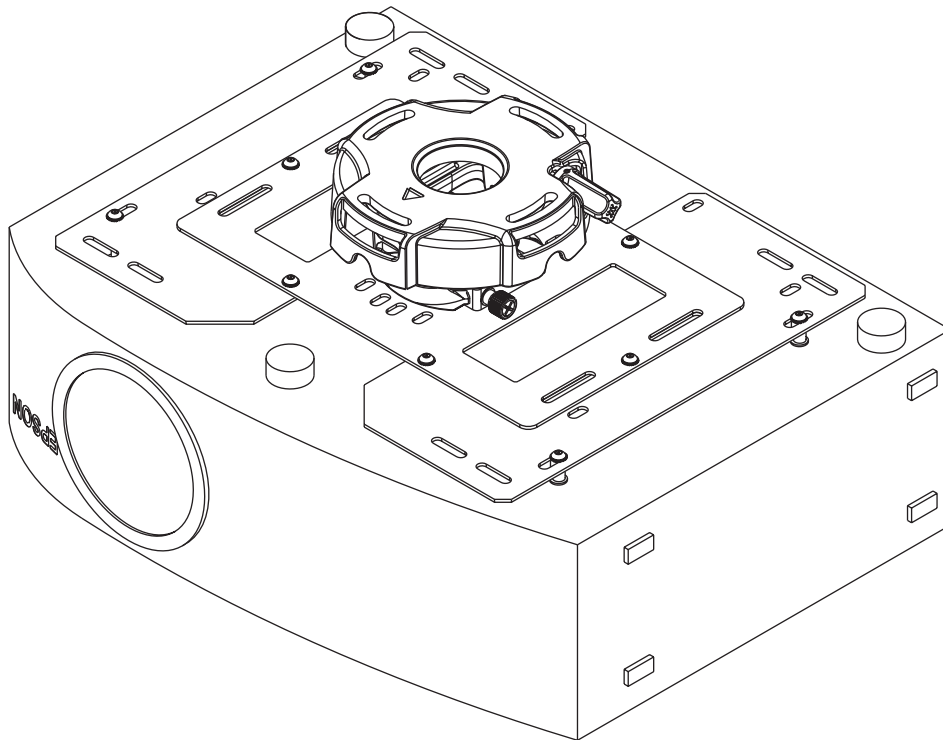


Installation and Assembly: Advanced Projector Ceiling Mount with Precision Gear

Model: ELPMBPRG



This product is UL Listed. It must be installed by a qualified professional installer.



Distributed by:
Epson America, Inc.
3840 Kilroy Airport Way
Long Beach, CA 90806
www.epson.com

Maximum UL Load Capacity: 50 lb (22.7 kg)

NOTE: Read entire instruction sheet before you start installation and assembly.



WARNING

- Do not begin to install your Peerless product until you have read and understood the instructions and warnings contained in this Installation Sheet. If you have any questions regarding any of the instructions or warnings, call Peerless customer care at 1-800-729-0307.
- This product should only be installed by someone of good mechanical aptitude, has experience with basic building construction, and fully understands these instructions.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Never exceed the maximum UL load capacity.
- Always use an assistant or mechanical lifting equipment to safely lift and position equipment.
- This product is intended for indoor use only. Use of this product outdoors could lead to product failure and personal injury.
- Tighten screws firmly, but do not overtighten. Overtightening can damage the items, greatly reducing their holding power. See suggested torque values where applicable within these instructions.

Tools Needed for Assembly

- stud finder ("edge to edge" stud finder is recommended)
- phillips screwdriver
- drill
- 1/4" bit for concrete surface
- 5/32" bit for wood joist
- 3/8" (10 mm) socket or open end wrench

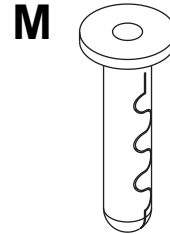
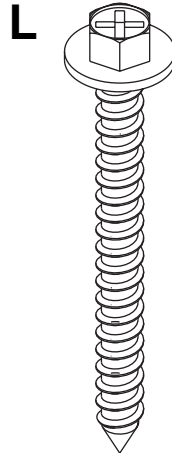
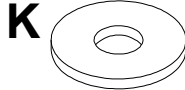
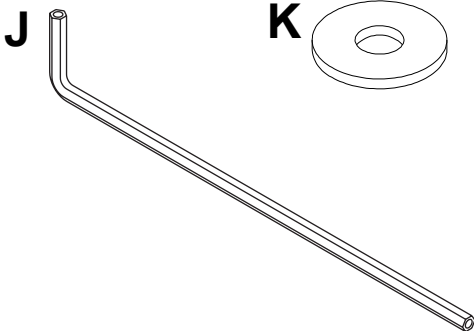
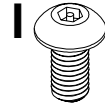
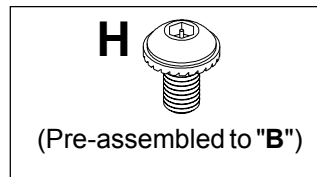
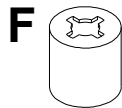
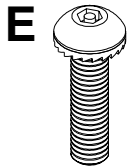
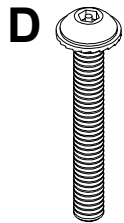
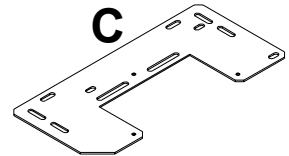
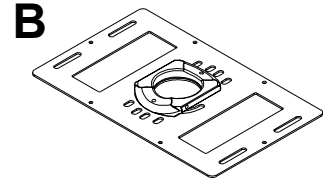
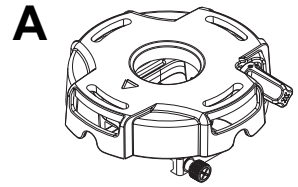
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Before you start check the parts list to ensure all of the parts shown are included.

Parts List

Description	Qty.	Part Number
A projector mount assembly	1	055-2804
B adapter plate	1	055-2806
C side plate	2	055-2807
D M4 x 20 mm socket pin serrated washer head screw	4	510-2163
E M5 x 20 mm socket pin serrated washer head screw	4	510-2065
F 3/8" spacer	4	590-2150
G M4 x 6 mm socket pin serrated washer head screw	6	510-2059
H #10-32 x 3/8" socket pin serrated washer head screw	2	520-2151
I 10-32 x 1/4" socket pin screw with lock	1	520-2196
J 4 mm security allen wrench	1	560-9646
K washer	2	540-1078
L #14 x 2.5" wood screw	2	5S1-015-C04
M Alligator® anchor	2	590-0097



NOTE: Actual parts may appear slightly different than illustrated.

Installation to Extension Column

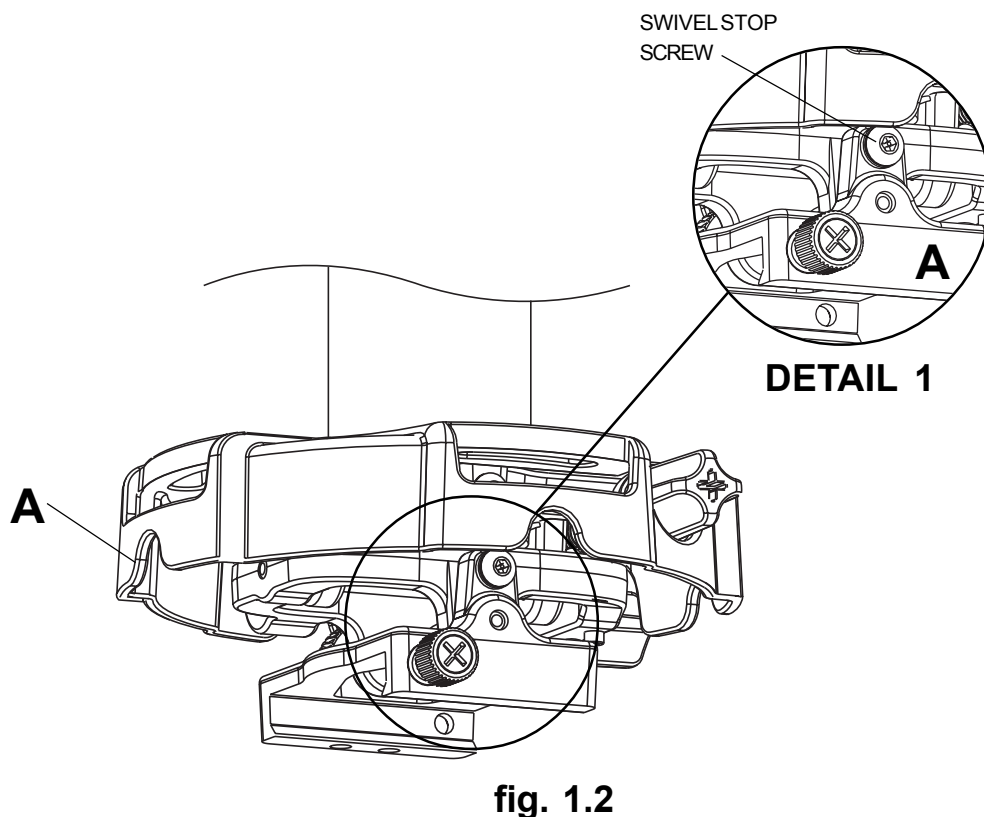
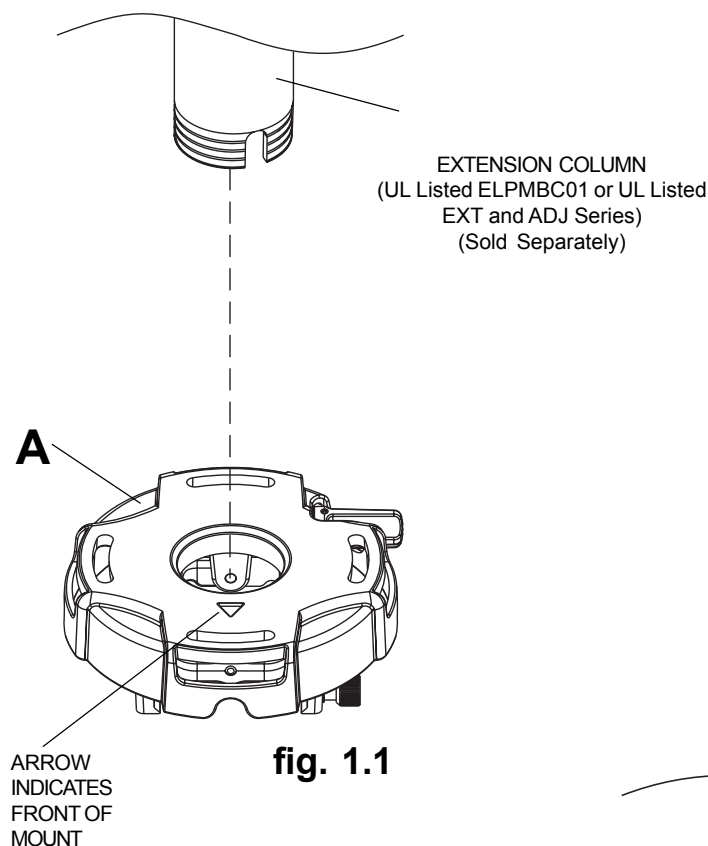
1 **NOTE:** Refer to accompanying instructions for ELPMBP01, ELPMBP02, ELPMBP03 or CMJ and ACC Series Ceiling Mounts (sold separately) for installing these models to ceiling.

Screw projector mount assembly (A) onto extension column as shown in figure 1.1.

NOTE: Swivel stop screw is used to jam against threads of extension column or flush mount tube to prevent any excess movement of projector mount assembly (A) as shown in detail 1. Do not overtighten screw; overtightening screw will damage threads making it difficult to separate products.

Skip to step 2.

Not Shown: UL Listed ELPMBP01, ELPMBP02, ELPMBP03 or UL Listed CMJ and ACC Series Ceiling Mounts (Sold Separately).



Installation To Wood Joist Ceilings

⚠ WARNING

- Installer must verify that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Tighten wood screws so that projector mount assembly is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb (9 N.M.).
- Make sure that mounting screws are anchored into the center of the stud. The use of an "edge to edge" stud finder is highly recommended.
- Hardware provided is for attachment of mount through standard thickness drywall or plaster into wood studs. Installers are responsible to provide hardware for other types of mounting situations (not UL approved).

- 1** Place projector mount assembly (**A**) on ceiling as a template and mark the center of the two mounting holes. Make sure that the mounting holes are in the center of the wood joist. Drill two 5/32" (4 mm) dia. holes to a minimum depth of 2.5" (64 mm). Attach projector mount assembly (**A**) with two #14 x 2.5" (6 mm x 65 mm) wood screws (**L**) and two flat washers (**K**) as shown in figure 1.3 or figure 1.4 depending on joist orientation.

NOTE: Mounting slots on projector mount assembly allow for 30° (±15°) of swivel adjustment before fully securing wood screws.

Tighten wood screws (**L**) using 3/8" (10 mm) socket or open end wrench or phillips screwdriver until projector mount assembly (**A**) is firmly attached.

Skip to step 2.

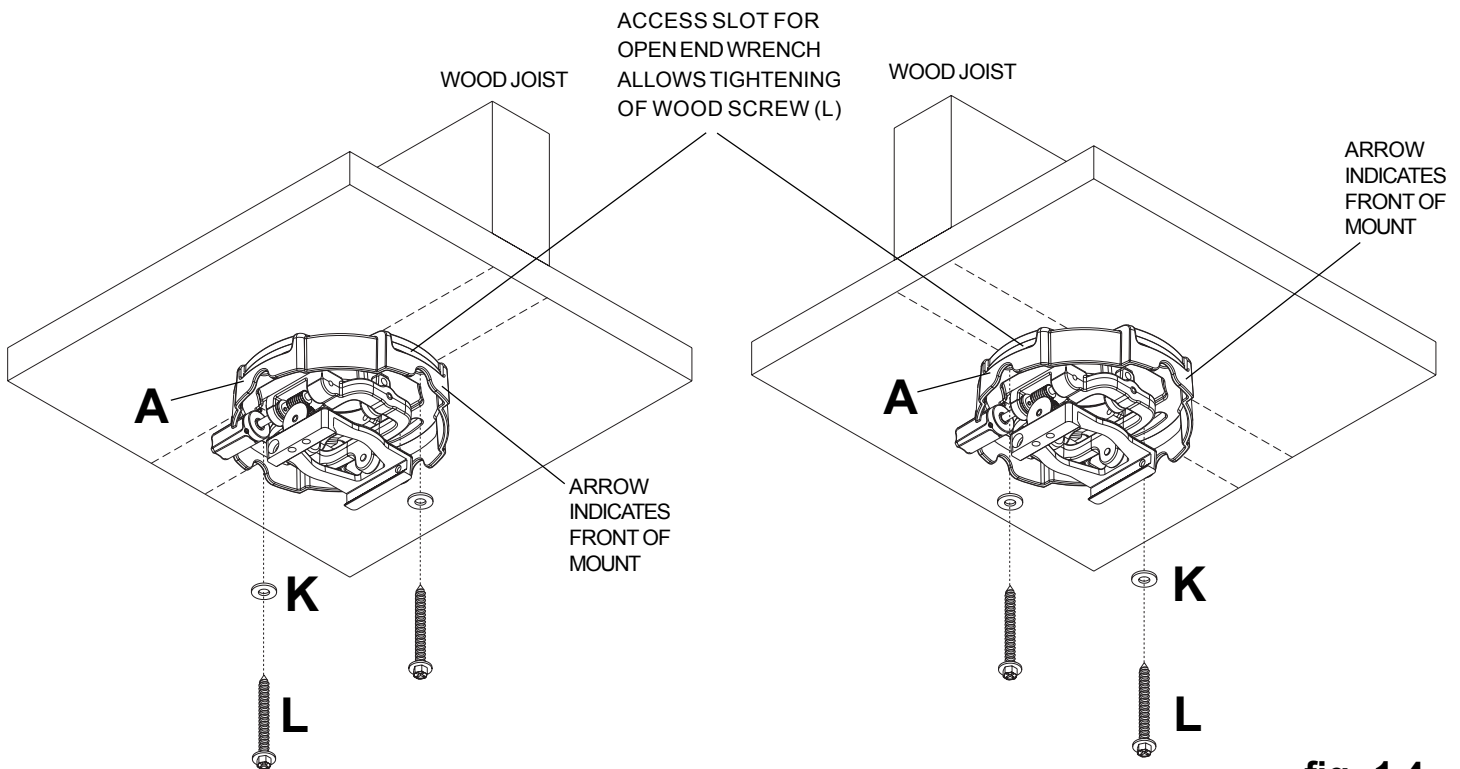


fig. 1.3

fig. 1.4

Installation to Concrete Ceilings

⚠ WARNING

- Concrete must be 2000 psi density minimum. Lighter density concrete may not hold concrete anchor.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.

- 1** Place projector mount assembly (A) on ceiling as a template and mark the center of the two mounting holes. Drill two 1/4" (6 mm) dia. holes to a minimum depth of 2.5" (64 mm). Attach projector mount assembly (A) using two Alligator® concrete anchors (M), two flat washers (K), and two #14 x 2.5" wood screws (L) as shown in **Illustration A** and **1, 2 and 3**.

NOTE: Mounting slots on projector mount assembly allow for 30° (±15°) of swivel adjustment before fully securing wood screws.

Tighten wood screws (L) using 3/8" (10 mm) socket or open end wrench or phillips screwdriver until projector mount assembly (A) is firmly attached.

⚠ WARNING

- Tighten wood screws firmly, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in • lb (9 N.M.).

⚠ WARNING

- Always attach concrete anchors directly to load-bearing concrete.
- Never attach concrete anchors to concrete covered with plaster, drywall, or other finishing material. If mounting to concrete surfaces covered with a finishing surface is unavoidable, the finishing surface must be counterbored as shown below. Be sure concrete anchors do not pull away from concrete when tightening screws. If plaster/drywall is thicker than 5/8", custom fasteners must be supplied by installer (not UL approved).

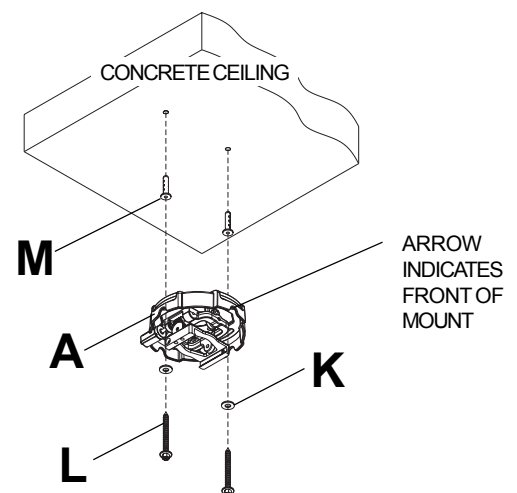
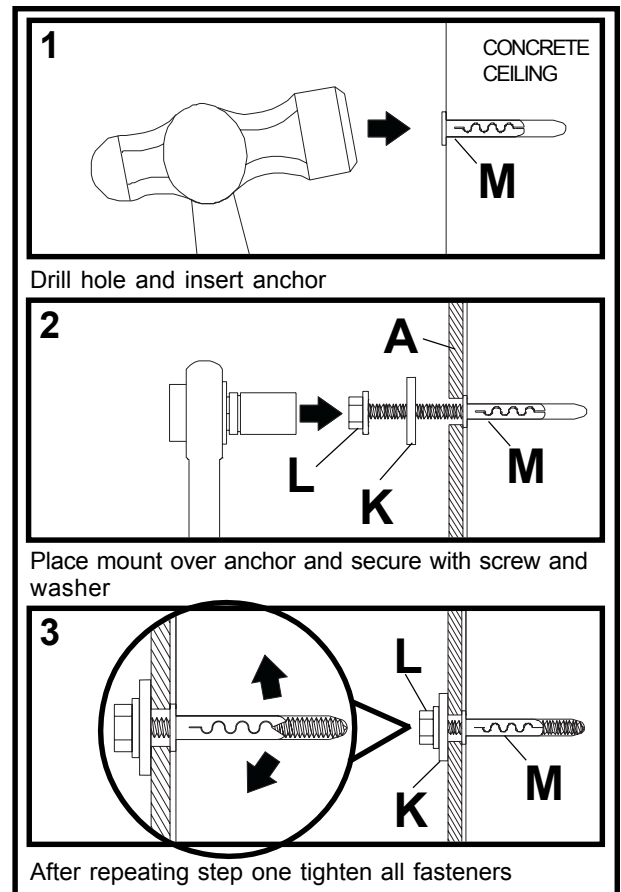
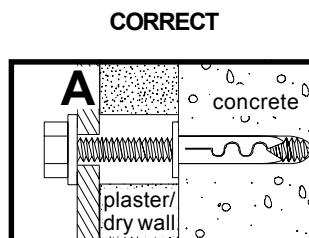
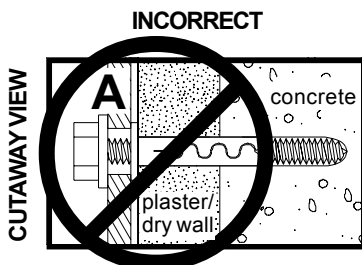


Illustration A

Installing Plates to Projector

CAUTION

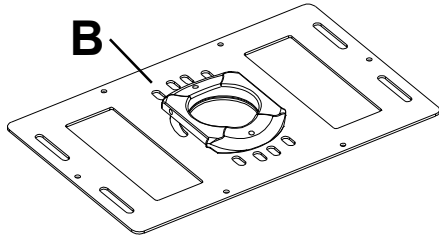
- All spacers shall be used where indicated. Not using spacers can cause damage to projector.
- It is the responsibility of the installer to ensure that the projector is properly ventilated.

NOTE: For all POWERLITE models, the manufacturer's product weight must be reviewed to ensure that the weight does not exceed 50 lbs.

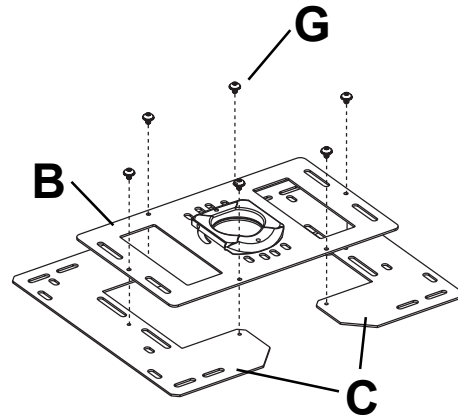
Adapter Plate: POWERLITE 1700c, 1705c, 1710c, 1715c, 1810p, 1815p, 1825, S5, 77c, 83+, 822+

3-Plate Horizontal Configuration: POWERLITE 6100i, 6110i, 7900p

- 2** Use adapter plate (B) as shown. Continue to step 3.

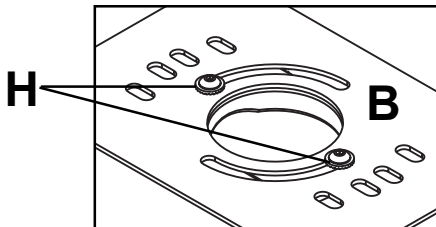


- 2** Attach adapter plate (B) to side plates (C) using six M4 x 6 mm socket pin screws (G).

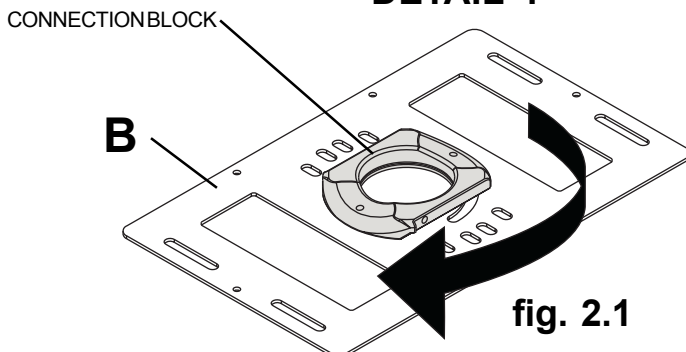


3-Plate Vertical Configuration: POWERLITE 8300i

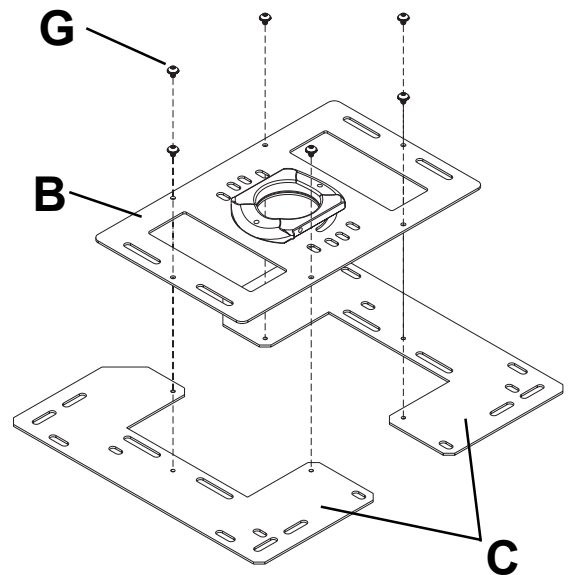
- 2** Loosen two #10-32 x 3/8" serrated washer head socket pin screws (H) on adapter plate (B) and connection block as shown in bottom detail 1. Rotate connection block to 90° as shown in fig. 2.1. Securely retighten #10-32 x 3/8" serrated washer head socket pin screws (H).



**BOTTOM
DETAIL 1**

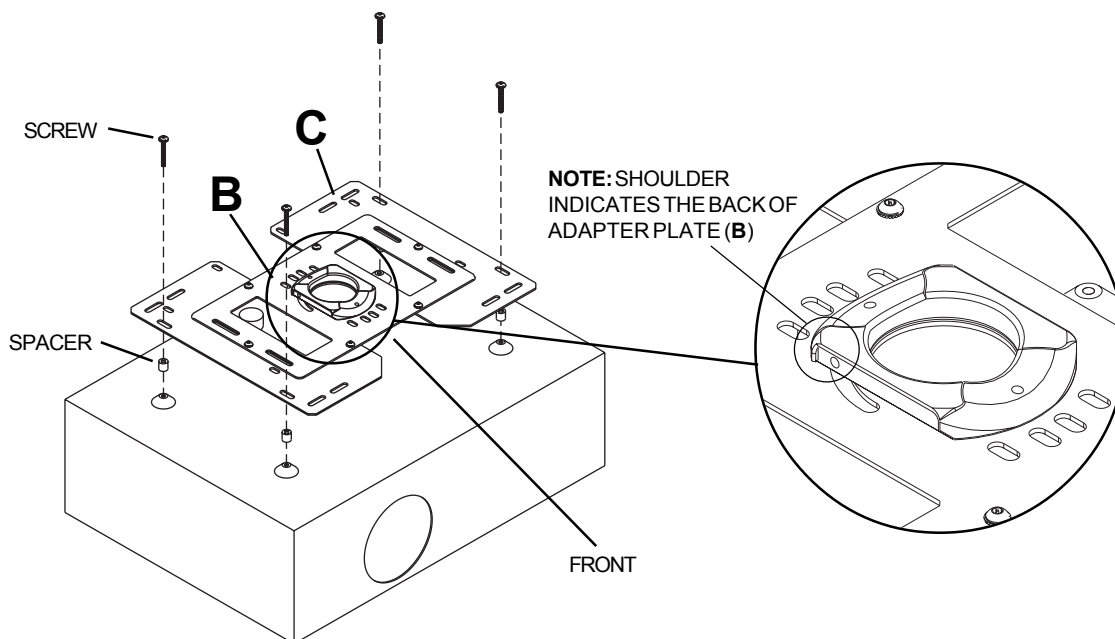


- 2-1** Attach adapter plate (B) to side plates (C) using six M4 x 6 mm socket pin screws (G).



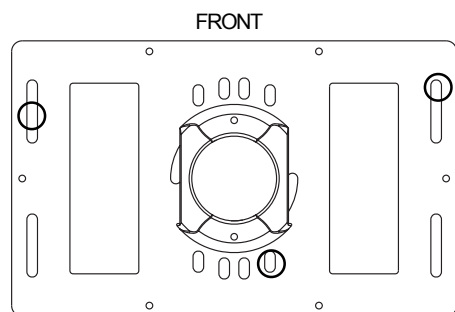
- 3** **NOTE:** Shoulder indicates back of adapter plate (**B**)
 Flip projector upside down. Find your projector model from the hole patterns listed below. Using the holes indicated on the corresponding hole pattern diagram, attach adapter plate (**B**) to projector using the appropriate number of M4 x 20 mm socket pin serrated washer head screws (**D**) and spacers (**F**). **NOTE:** For POWERLITE model 8300i, use M5 x 20 mm socket pin serrated washer head screws (**E**) in place of screws (**D**).

NOTE: Retaining spacers go between adapter plate and projector.

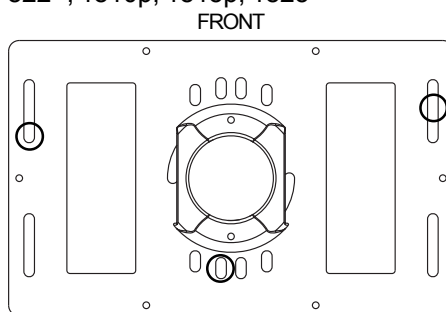


Hole Patterns

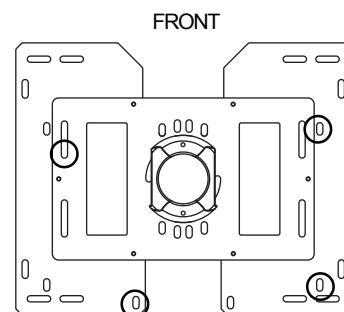
A. POWERLITE 1700c, 1705c, 1710c, 1715c



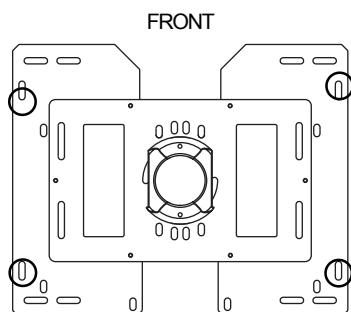
B. POWERLITE S5, 77c, 83+, 400W, 822+, 1810p, 1815p, 1825



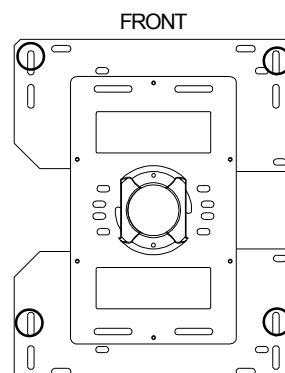
C. POWERLITE 6100i, 6110i



D. POWERLITE 7900p



E. POWERLITE 8300i

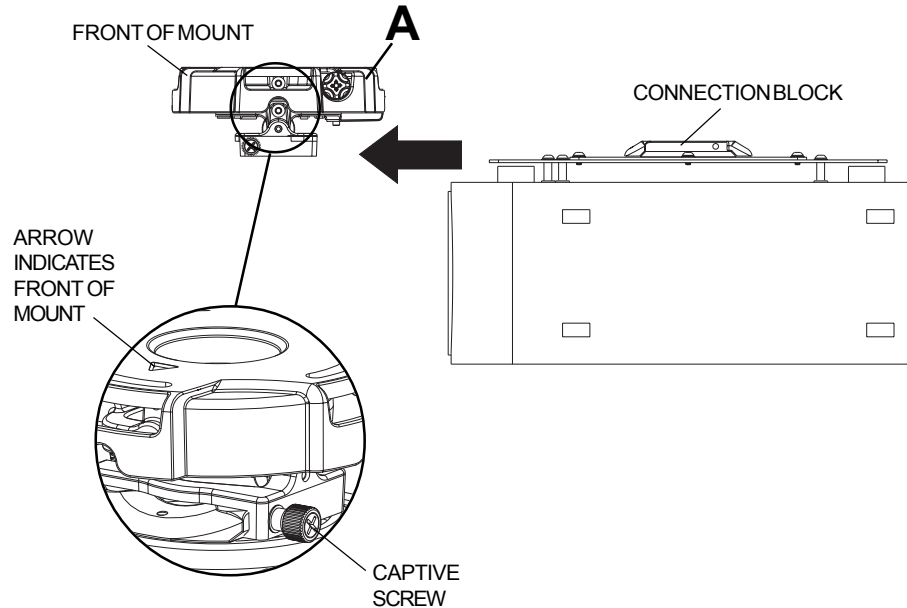


Installing Connection Block to Projector Mount Assembly

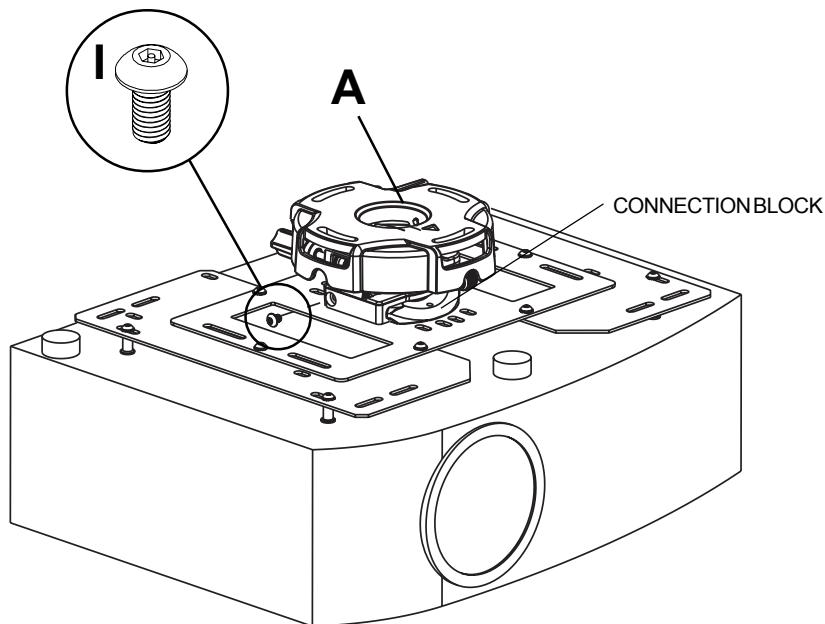
⚠ WARNING

- Always use an assistant or mechanical lifting equipment to safely lift and position the projector.

- 4** Slide connection block with projector into projector mount assembly (**A**) as shown. Tighten captive screw to secure projector to projector mount assembly (**A**).



- 5** **IMPORTANT:** For security installations, insert one #10-32 x 1/4" socket pin screw (**I**) through projector mount assembly (**A**) and into connection block as shown.



Cable Management

- 6** To make an opening to route cables through projector mount assembly, adjust projector mount assembly to full upward tilt position and maximum left or right roll position by turning knobs for adjustments as shown in figure 6.1.

NOTE: Be certain tamper resistant screws are not engaged before making adjustments (see step 7-1).

Route cables through top of extension column as shown in figure 6.2 and figure 6.3.

NOTE: A method for assisting cables through extension column may be required (example: string tied to connector to help pull through extension column).

Route cables through projector mount assembly as shown in figure 6.4 and connect to projector.

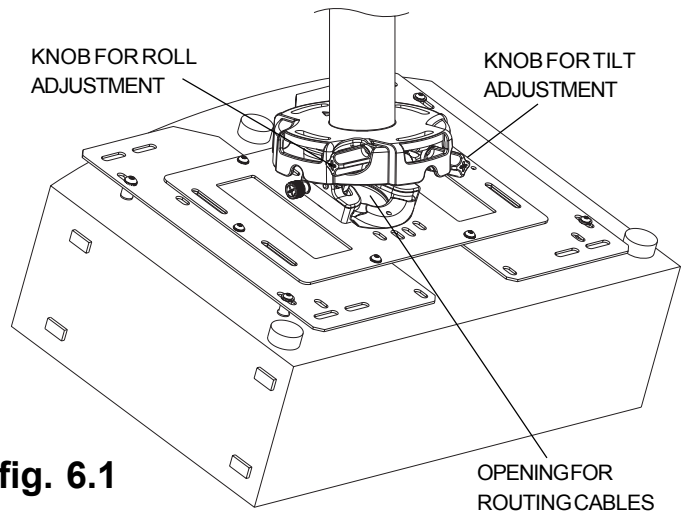


fig. 6.1

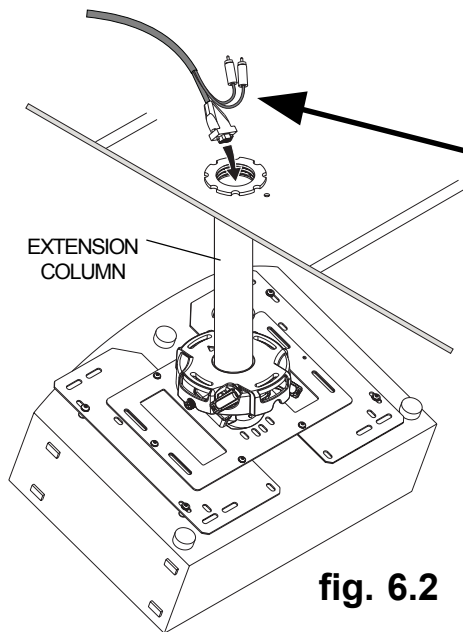


fig. 6.2

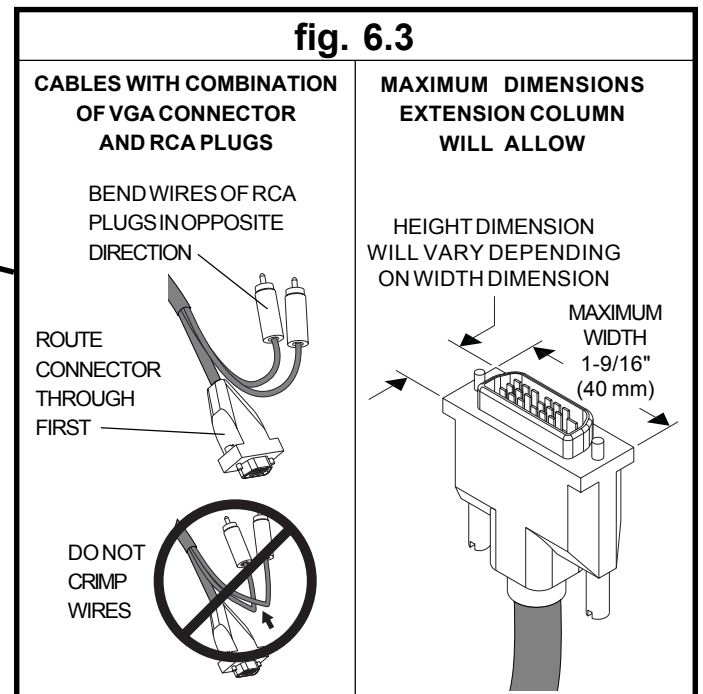


fig. 6.3

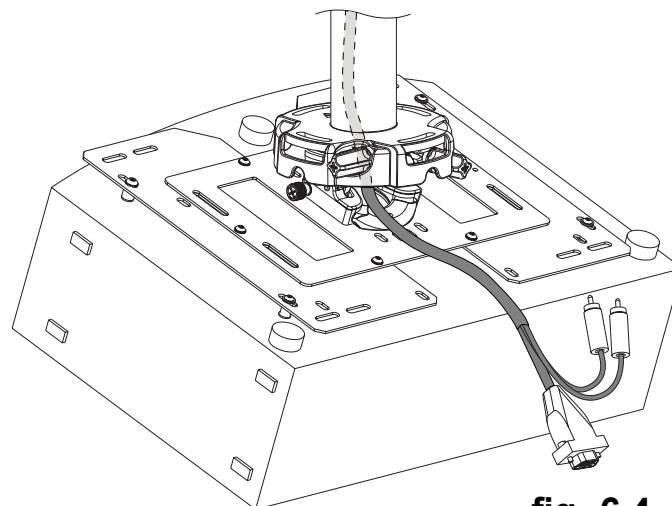


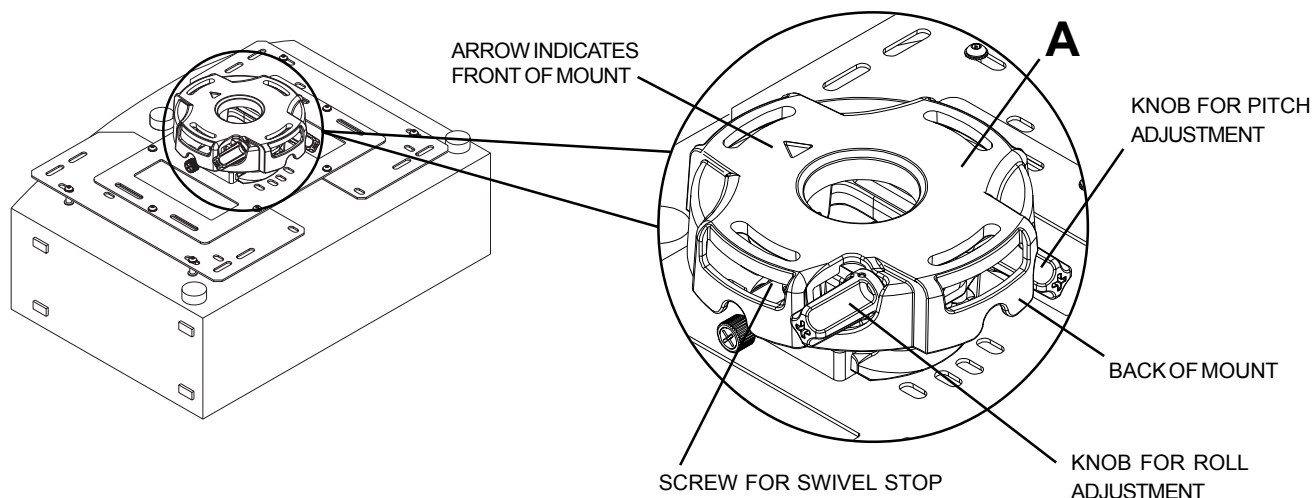
fig. 6.4

Projector Alignment

7 **To adjust yaw (swivel) for extension column installation:** Loosen screw on projector mount assembly (A) indicated below until projector mount can be rotated. Rotate mount to desired position and retighten screw.

To adjust pitch (forward and backward tilt): Turn knob on back of mount as shown below. Pull knob out and turn by hand for easy adjustment or insert #2 phillips screwdriver in end of knob and turn.

To adjust roll (side to side tilt): Turn knob on side of mount as shown below. Pull knob out and turn by hand for easy adjustment or insert #2 phillips screwdriver in end of knob and turn.

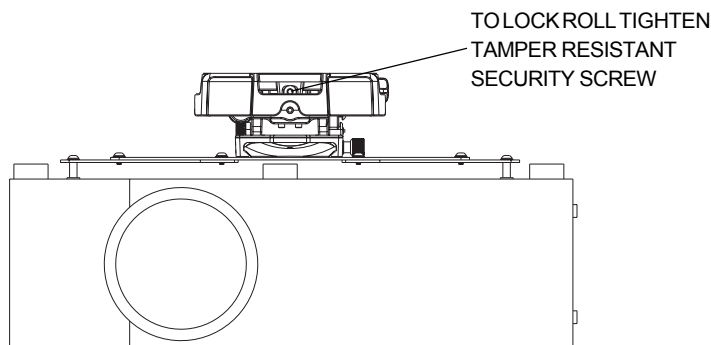


7-1 **To prevent tampering with the pitch and roll adjustments:** Tighten the two tamper resistant security screws on the projector mount assembly using 4 mm security allen wrench (J) to lock the pitch and roll adjustments as shown below.

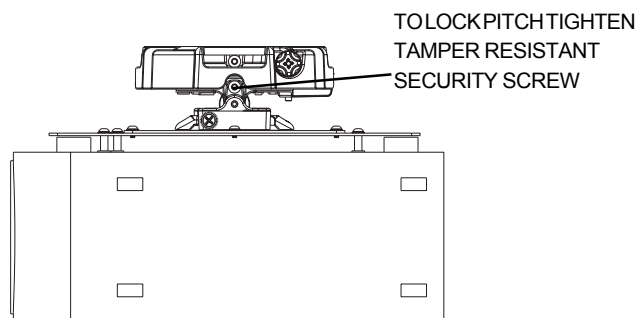
NOTE: Tighten screws firmly, but do not overtighten. Overtightening can damage the mount.

CAUTION

- Do not adjust pitch or roll while tamper resistant security screws are fully engaged.
- Loosen the two tamper resistant security screws one complete turn before adjusting the projector mount assembly or damage may occur.



FRONT VIEW



SIDE VIEW

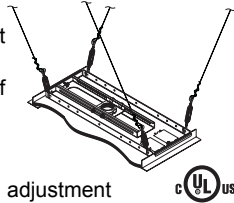
Accessories

NOTE: All accessories are available for purchase through Epson (www.epson.com)

ELPMBP01

Adjustable Suspended Ceiling Channel Kit

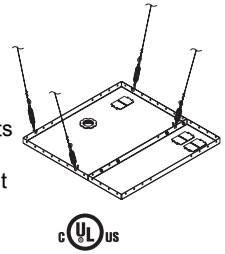
- Mounts above 2' x 2' or 2' x 4' ceiling tile to structural ceiling with tie wires
- Includes tie wire supports and flush mount tube
- 1 ½" - 11.5" NPT fitting for attachment of adjustable extension column
- Two knockout panels for electrical outlet boxes
- 13.9" continuous, uninterrupted projector adjustment
- Escutcheon ring included for a clean finish
- Max weight load: 60 lb (27 kg.)
- Color: White



ELPMBP02

False Ceiling Plate Kit

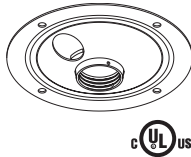
- Replaces a 2' x 2' ceiling tile and mounts to structural ceiling with tie wires
- Two-piece design offers five different points for mount attachment
- Includes tie wire supports and flush mount tube
- 1 ½" - 11.5" NPT fitting for attachment of adjustable extension column
- Two knockout panels for electrical outlet boxes
- Max weight load: 50 lb (23 kg.)
- Color: White



ELPMBP03

Structural Round Ceiling Plate

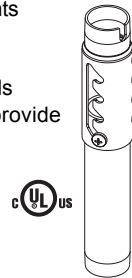
- Mounts to wood joist or structural concrete ceiling
- Features cable management access hole
- 1 ½" - 11.5" NPT fitting for attachment of adjustable extension column
- Max weight load: 150 lb (68 kg.)
- Color: White



ELPMB01

Adjustable Extension Column (Pipe) 8" - 11"

- 8" - 11" adjustable extension in 1" increments
- Specially designed to allow internal cable management
- 1 ½" - 11.5" NPT pipe threaded on both ends
- Notched ends for use with set screw to provide safety and security
- Color: White



LIMITED FIVE-YEAR WARRANTY

Peerless Industries, Inc. establishes a warranty period of five years for products manufactured or supplied by Peerless. This period commences from the date of sale of the product to the original consumer, but will in no case last for more than six years after the date of the product's manufacture. During the warranty period such products will be free from defects in material and workmanship, provided they are installed and used in compliance with the instructions established by Peerless Industries, Inc. Subject to applicable legal requirements, during the warranty period Peerless will repair or replace, or refund the purchase price of, any such product which fails to conform with this warranty.

Any other warranties prescribed by the law which may apply with respect to such products also are limited in duration to the warranty period specified in this Limited Five-Year Warranty.

This warranty does not cover damage caused by (a) service or repairs by the customer or a person who is not authorized for such service or repairs by Peerless Industries, Inc., (b) the failure to utilize proper packing when returning the product, (c) incorrect installation or the failure to follow Peerless' instructions or warnings when installing, using or storing the product, or (d) misuse or accident, in transit or otherwise, including in cases of third party actions and force majeure.

In no event shall Peerless be liable for incidental or consequential damages or damages arising from the theft of any product, whether or not secured by a security device which may be included with the product.

This Limited Five-Year Warranty is in lieu of all other warranties, expressed or implied, and is the sole remedy with respect to product defects. No retailer, dealer, distributor, installer or other person is authorized to modify or extend this warranty or impose any obligation on Peerless in connection with the sale of any product manufactured or supplied by Peerless.

This warranty gives specific legal rights, and you may also have other rights provided by the national legislation of the country in which you purchased such product.

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ISSUED 03/17/06 LIT-0190E